

# SEQUENCE LISTING

<110> Galen, James E.

<120> PLASMID MAINTAINENCE SYSTEM FOR ANTIGEN DELIVERY

<130> F164622

<140> 09/453,313

<141> 1999-12-02

<150> US 09/204,117

<151> 1998-12-02

<150> US 60/158,738

<151> 1999-10-12

<160> 40

<170> PatentIn version 3.2

<210> 1

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<212> DNA

<213> Artificial Sequence

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<223> Complete nucleotide sequence of pGEN2

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<223> Partial nucleotide sequence of pGEN3: nucleotides 1201-2397  
encoding ori15A

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acaagcatca cgaaatctga cgctcaaatc agtgggtggc aaacccgaca ggactataaa 180  
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 encoding ori101

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 ttttcatctg tgcataatga cagttttccc ttgatatact aacgggtgaac agttgttcta 240  
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 <222> (7)..(7)  
 <223> "n" is an insert of 1 to 5 nucleotides selected from A, C, G and  
 T  
  
 <220>  
 <221> misc\_feature  
 <222> (11)..(11)  
 <223> "n" is A, C, G or T  
  
 <400> 36  
 agatcnntaa ncatccacag gaggatatct gatg 34

<210> 37  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Modified Shiga toxin sequence  
  
 <400> 37  
 acagcagacg cgtta 15

<210> 38  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Modified Shiga toxin sequence  
  
 <400> 38  
 ctgaacctag ggcga 15

<210> 39  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Modified Shiga toxin sequence  
  
 <400> 39  
 gaattcgcga ccagt 15

<210> 40  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Modified Shiga toxin sequence  
  
 <400> 40  
 gaatcagatt ctgga 15